

Notice of Allowability

Application No.

09/872,978

Examiner

Kenny Lin

Applicant(s)

PAUL ET AL.

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2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/12/2005.
2. ☒ The allowed claim(s) is/are 1-66.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 9/26/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 11/9/05
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

JOHN FOLLA
SUPERVISOR
TECHNOLOGY CENTER

DETAILED ACTION

1. Claims 1-66 are presented for examination.
2. The IDS submitted on 9/26/2005 has been considered.
3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christian Nicholes, Registration No. 50,266 on November 9, 2005.

4. The application has been amended as follows:

Amendment to the Claims:

1. (Currently Amended) A method of interacting with a client process on a mobile device connected to a network over a wireless link, the method comprising the steps of:

receiving at a mobile interactions server a first message from the client process indicating a first action by a user of the mobile device, the first action related to a first graphical element displayed on the device for requesting a service form an application;

based on the first message, determining whether the action is associated with an event type of a plurality of predetermined event types; wherein each of the predetermined event types corresponds to one or more application-specific event objects used for invoking a specific method of the application;

if it is determined the action is not associated with the event type, then, without invoking any method of the application,

generating first data describing any change in the first graphical element; and

sending the first data to the client process for changing the display of the first graphical element.

27. (Currently Amended) A method of interacting with a client process on a mobile device connected to a network over a wireless link, the method comprising the steps of:

sending from an application to a mobile interactions server first data describing a first graphical element for displaying on the mobile device and one or more event handling methods of the application associated with the first graphical element;

receiving at a particular event handling method of the plurality of event handling methods second data describing an event having a particular event type of a plurality of predetermined event types in response to an action by a user of the mobile device; wherein each of the predetermined event types corresponds to

one or more application-specific event objects used for invoking a specific method of the application; and

providing a service for the client process in response to receiving the second data, wherein

the particular event handling method is associated with the particular event type, and

the action is determined by the mobile interactions server to be associated with the particular event type.

34. (Currently Amended) A computer-readable storage medium carrying instructions for interacting with a client process on a mobile device connected to a network over a wireless link, the computer readable medium comprising instructions for causing one or more processors to perform the steps of:

receiving over the network a first message from the client process indicating a first action by a user of the mobile device, the first action related to a first graphical element displayed on the device for requesting a service from an application;

based on the first message, determining whether the action is associated with an event type of a plurality of predetermined event type; wherein each of the predetermined event types corresponds to one or more application-specific event objects used for invoking a specific method of the application;

if it is determined the action is not associated with the event type, then,
without invoking any method of the application,
generating first data describing any change in the first graphical
element; and
passing the first data to the client process for changing the display
of the first graphical element.

60. (Currently Amended) A computer-readable storage medium carrying instructions for interacting with a client process on a mobile device connected to a network over a wireless link, the computer-readable medium comprising instructions for causing one or more processors to perform the steps of:

sending to a mobile interactions server first data describing a first graphical element for display on the mobile device and one or more event handling methods of the application associated with the first graphical element;

receiving at a particular event handling method of the plurality of event handling methods second data describing an event having a particular event type of a plurality of predetermined event types in response to an action by a user of the mobile device; wherein each of the predetermined event types corresponds to one or more application-specific event objects used for invoking a specific method of the application; and

providing a service for the client process in response to receiving the second data, wherein

the particular event handling method is associated with the particular event type, and

the action is determined by the mobile interactions server to be associated with the particular event type.

5. The following is an examiner's statement of reasons for allowance: None of the prior art of record fairly suggests or teaches all of the claimed limitations especially the limitation of using message to indicate actions associated with event type and definition of predetermined event types where event types correspond to events objects generated by a listener in response to a message from a client process. Different listeners produce different event types. The event received from the listener is the input parameter for the event handler corresponding to the event type. These event objects correspond to various actions of an application. This is different from Schwartz reference where the event types are defined as user actions such as the selection of a soft key on a mobile device or selection of resource locators. Dependent claim 8 further defines the predetermined event types NOT to be associated with the user of the mobile device pressing a key. Furthermore, none of the prior art taught to generate data describing changes of graphical elements if it is determined that the action, as indicated by the received message, is not associated with a predetermined event type and using the data to change the display. Therefore, the amendment above to further define event types overcomes all of the prior art cited in the record including Schwartz reference.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


6. Claims 1-66 are allowed.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenny Lin whose telephone number is (571) 272-3968. The examiner can normally be reached on 8 AM to 5 PM Tue.-Fri. and every other Monday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ksl
November 16, 2005

 JOHN FOLLANSBEE
SUPERVISOR PATENT EXAMINER
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